SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ADVERTISEMENTS ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE.

OFFICIAL PROPOSALS

Bids: Jan. 15.

Bulkhead

Jersey City, N. J.

Sealed proposals will be received by the Hudson County Park Commission at its office, 1 Exchange Place, Jersey City, N. J., on Monday, January 15th, 1923, at 11 o'clock a.m., for the construction of a Bulkhead at West Side Park, Jersey City, N. J., and work connected therewith in accordance with plans and specifications on file at the office of the Hudson County Park Commission.

Blank form of bid showing estimate of quantities must be obtained at the office of the Hudson County Park Commission.

Each bidder must accompany his bid with a certified check drawn to the order of the Hudson County Park Commission to the amount of 5% of his bid.

The successful bidder will be required to furnish a surety company's bond to be approved by the Hudson County Park Commission in the full amount of his bid with satisfactory security conditioned for the faithful performance of his contract.

There shall be two contracts ,the original and copy which shall first be signed and executed by the successful bidder and presented to the Hudson County Park Commission for signature.

Bids must be enclosed in sealed envelopes indorsed "Proposals for Bulkhead and Reclamation, West Side Park, Jersey City, N. J.," directed to the Hudson County Park Commission and delivered to the Secretary of the Commission at or before the hour above specified. The Commission reserves the right to reject any or all bids.

Dated: December 18, 1922.

Hudson County Park Commission.
BY JOSEPH FILORAMO, JR.,
Secretary.

Bids: Jan. 23.

Road Repair

Trenton, N. J.

Proposals for Bituminous Patching Material.

The Board of Freeholders of Mercer County will receive separate bids on Tuesday, January 23rd, 1923, at 2:30 o'clock in the afternoon, at their regular place of meeting, Court House, Trenton, New Jersey, for

1. Furnishing and delivering approximately 40,000 gallons of tar patching material for cold application, grade K. P. or U. C. (New Jersey).

2. Furnishing and delivering approximately 20,000 gallons of asphalt "cut back" grade "H. K." (New Jersey).

Prospective bidders are referred to specifications covering the above work prepared by Harry F. Harris, Mercer County Engineer, which specifications are on file in his office at the Court House, Trenton, New Jersey.

Each bid must be accompanied by a certified check in the amount of two hundred dollars ($200.00), payable to Edgar G. Weart, County Treasurer, also by a proposition from a surety company fulfilling the requirements of Section 507, Chapter 185, P. L., 1918.

The right is reserved to reject any or all bids and to waive any immaterial defect or informality in any bid should it be in the interest of the County to do so.

ARTHUR BRAY, JR.,
Director of Department of Road Repair.

OFFICIAL PROPOSALS

Bids: Jan. 12.

Highway Work

Albany, N. Y.

Sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., at one o'clock p.m., on Friday, the twelfth day of January, 1923, for the improvement of highways in the following counties:

Allegany.....(one highway—2.11)
Cattaraugus..(two highways—1.97 & 7.63)
Cayuga & Tompkins..(one highway—2.80)
Oneida.....(one highway—2.75)
Ontario.....(one highway—0.41)
Rensselaer.....(one highway—4.89)
Rockland.....(one highway—3.69)
Steuben.....(one highway—5.22)
Ulster.....(one highway—5.51)

Also for the reconstruction of the following:

Fulton.....(one contract—1.50)
Rensselaer.....(one contract—2.42)

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, N. Y., and also at the office of the division engineers in whose division the roads are to be improved or reconstructed. The addresses of the division engineers and the counties in which they are in charge will be furnished upon request.

The especial attention of bidders is called to "General Information for Bidders" in the itemized proposal, specifications and contract agreement.

HERBERT S. SISSON,
Commissioner.

J. C. FINCH,
Secretary.
State Commission of Highways.

Bids: Jan. 23.

Paving

Charlotte, N. C.

Sealed proposals for the paving of certain streets in the City of Charlotte will be received by the Board of Commissioners up to 11 o'clock A. M. of the 23rd day of January, 1923.

The work to be done consists of approximately 210,000 sq. yds. of paving.

Bids will be received on Various Types.

A certified check equal to five per cent. of the amount of the bid, and made payable to the Treasurer of the City of Charlotte, will be required to accompany each bid.

Plans may be seen, and specifications may be obtained, at the office of the City Engineer.

The right is reserved to reject any or all bids or any part of a bid.

By Order of the Board of Commissioners.
W. S. STANCILL,
Commissioner of Public Works.
JOSEPH FIRTH,
City Engineer.

Bids: Jan. 23.

Hammerhead Crane

Aberdeen, Wash.

Sealed proposals will be received by the Port of Grays Harbor at Aberdeen, Wash., until January 23, 1923 for furnishing and erecting a 5 ton, 95 ft. radius, Hammerhead type, lumber handling crane.

Further information on application.
PORT OF GRAYS HARBOR,
Aberdeen, Wash.
FRANK H. LAMB, Pres.
J. A. VANCE, Secy.

OFFICIAL PROPOSALS

Bids: Feb. 7.

Highway Bridge

Baton Rouge, La.

Notice is hereby given that sealed bids will be received by the Louisiana Highway Commission at its offices in the Reymond Bldg., Baton Rouge, La. up to 12 o'clock Noon, Wednesday, February 7th, 1923, at which time and place they will be publicly opened, for the Construction of a Highway Bridge over the Mermentau River at Mermentau, Louisiana, to be known as the Mermentau River Bridge, Federal Aid Project No. 122.

The plans have been prepared for two alternate layouts as follows:

Alternate "A"—Vertical Lift Layout.

Beginning at the East end to consist of 1 30 ft. reinforced Concrete deck girder span, 1 100 ft. thru riveted fixed span, 1 100 ft. thru riveted Vertical Lift Span, 1 140 ft. thru riveted fixed span, and 3 30 ft. reinforced Concrete deck girder spans.

Alternate "B"—Center Bearing Swing Layout.

Beginning at the East end to consist of 1 30 ft. reinforced Concrete deck girder span, 1 216 ft. thru riveted Center Bearing swing span, 1 140 ft. thru riveted fixed span and 3 30 ft. reinforced concrete deck girder spans.

For each layout the clear Roadway width will be 18 ft., the floor will be timber on movable spans and concrete on fixed spans. The movable spans will be operated by machinery driven by gasoline engines housed over movable spans.

The foundations are similar for the two layouts and consist of Concrete Piers resting on timber piles, the channel piers will be constructed by sinking cribs but the use of cofferdams will be permitted. Cofferdams will be used for the other piers.

Plans and specifications for the proposed work prepared by J. A. L. Waddell and approved by Louisiana Highway Commission and Bureau of Public Roads are on file, and may be inspected by prospective bidders during business hours, at the office of the Louisiana Highway Commission, Reymond Bldg., Baton Rouge, and at the office of J. A. L. Waddell, 35 Nassau Street, New York City. Bidders will be furnished with a copy of the specifications and blue prints of the plans by the Louisiana Highway Commission upon receipt of Five Dollars ($5.00) which will not be returned.

Bids may be submitted on either or both of the alternate layouts and must be made on standard proposal forms in the manner designated therein and required by the specifications. Bids must be enclosed in sealed envelopes bearing the name and address of bidder and name and type of bridge on which bid is submitted on the outside and addressed to Louisiana Highway Commission. Each bid must be accompanied by a certified check in an amount equal to (5%) five per cent of the total bid, payable to Louisiana Highway Commission as a guaranty that if the bid is accepted a contract will be entered into and performance thereof properly secured within (10) ten days notice of the acceptance of bid, otherwise the deposit will be forfeited.

The Louisiana Highway Commission reserves the right to reject any or all bids.

J. M. FOURMY,
State Highway Engineer.
W. T. PETERMAN, Chairman,
Louisiana Highway Commission.

OFFICIAL PROPOSALS

Bids: Jan. 30.

Bridges and Roads

Charleston, W. Va.

Sealed proposals will be received by the State Road Commission of West Virginia until ten o'clock A. M. on the 30th day of January, 1923, and said proposals will be opened and read immediately thereafter at the Kanawha County Court House, Charleston, W. Va., for the construction of the following bridges and sections of State Road:—

Project 3052—Raleigh County—6 miles of the Shady Springs-Summers County Line Road for grading and draining. Certified check for $3,000.00.

Project 3133—Amigo Bridge No. 833—Raleigh County—over Devil's Fork, concrete arch 75 ft. span. Certified check for $500.00.

Project 3182-B—Pocahontas County—8.3 miles of the Sunset to Greenbank District Line Road for grading and draining. Certified check for $4,000.00.

Project 3171—Pocahontas County—2 miles of the Marlinton towards Buckeye Road for grading and draining. Certified check for $1,800.00.

Project 127—Greenbrier County—8 miles of the Lewisburg-Camp Ground Road for grading, draining and paving with Bituminous Macadam. Certified check for $11,000.00.

Project 3045-B—Monroe County—5.3 miles of the Union-Rock Camp Road for grading and draining. Certified check $2,500.00.

Project 3037—Hartland Bridge No. 805—Clay County over Elk River, steel superstructure, 565 ft. long. Certified check for $2,000.00.

Project 3091—Boone County—2.25 miles of the Seng. Creek—toward Seth Road for grading and draining. Certified check for $1,800.00.

Project 3155—Heath Bridge No. 873—Cabell County, over Heath Creek. Concrete deck girder, 37.5 span, concrete substructure. Certified check for $500.00.

Project 3074-D—Jackson County—5 miles of the Cottageville-Mason County Line Road for grading and draining. Certified check for $3,000.00.

Project 47-S—Wetzel County—1 mile New Martinsville-Willeyville Road, for grading, draining and paving with concrete sections only. Certified check for $1,000.00.

Project 3167-A—Marshall County—3 miles of the Cameron-Littleton Road for grading and draining. Certified check for $1,800.00.

Project 3163—Tyler County—5 miles of the New Martinsville-West Union Road, for grading and draining. Certified check for $3,000.00.

Project 3203-A — Preston County—3.5 miles of the Northwestern Turnpike from Aurora to Dayton for grading and draining. Certified check for $2,500.00.

Project 3187—Marion County—2.8 miles of the Flat Run-Metz Road for grading, draining and paving with concrete. Certified check for $5,000.00.

Project 3184—Barbour County—7.2 miles of the Philippi-Taylor County Line Road for grading and draining. Certified check for $5,000.00.

Project 3026—Jefferson County—7 miles of the Charlestown-Kearneysville Road for grading, draining and waterbound macadam surface course. Certified check for $5,000.00.

Project 3147—Hampshire County—5 miles of the Frenchburg-Virginia State Line Road for grading and draining. Certified check for $2,000.00.

Project 3010—Burlington Bridge No. 735—Mineral County over Patterson Creek—150 ft. steel thru truss, concrete substructure. Separate proposals will be received on substructure. Certified check for $500.00 and superstructure. Certified check for $500.00.

Project 3198—Morgan County—5 miles of the Berkeley Springs-Great Cacapon Road for grading and draining. Certified check for $4,000.00.

Project 122—B & C—Grant County—12.5 miles of the Northwestern Turnpike for grading and draining. Certified check for $6,000.00.

Project 3175—Pendleton County—5 miles of the Franklin-Elkins Road for grading and draining. Certified check for $2,400.00.

Project 3148—Hardy County—8.5 miles of the Moorefield Petersburg Road for grading and draining. Certified check for $3,500.00.

OFFICIAL PROPOSALS

Proposals will be received only upon State Standard form in accordance with plans, specifications and estimates of quantities therefor, which standard forms, plans, specifications and estimates of quantities may be obtained from the office of the Division Engineer in whose territory the proposed construction is located or from the office of the State Road Commission at Charleston, W. Va.

Each proposal must be accompanied by a certified check for the amount noted.

The right is reserved to reject any and all proposals.

THE STATE ROAD COMMISSION OF WEST VIRGINIA,
E. B. CARSKADON, Secretary.

A Bonding Company's Suggestion to Official Proposal Advertisers

"A large part of our contract bond business is submitted to us by wire, and I am a constant reader of the Official Proposals in order to find out the size and nature of the work that is referred to in the bond application. Very frequently I am unable to get any clear idea of what the advertisers are asking bids on, and of course the prospective bidder or contractor is also at a loss to know what kind of a job is being advertised.

"Traveling expenses are heavy at the present time, and contractors pay out considerable sums during the course of a year in investigating prospective contracts. This of course is a large charge that the owners eventually pay, and anything that will reduce the general overhead of contract work will eventually be to the advantage of the owner.

"One way to reduce this overhead is to word the advertisement so that the contractor sitting in his office will know whether or not he should investigate and prepare a bid on the proposed work."

Bids: Jan. 23.

Sewers and Drains

Charlotte, N. C.

Sealed proposals for the construction of certain sewers on certain streets consisting of approximately eight miles of sewers and drains with appurtenances to be laid for the City of Charlotte, N. C., will be received by the City of Charlotte, up to Eleven o'clock a.m., of the twenty-third day of January, 1923. Proposals to be addressed to the Board of Commissioners and endorsed: Proposals for Constructing Sewers.

A certified check equal to five per centum of the amount of the bid, and made payable to the Treasurer of the City of Charlotte, will be required to accompany each bid.

Plans and specifications and blank forms of proposal may be obtained at the office of the City Engineer.

W. S. STANCILL,
Commissioner of Public Works.
JOSEPH FIRTH,
City Engineer.

OFFICIAL PROPOSALS

Bids: Jan. 15.

Improvement of Grounds

Cortland, N. Y.

SEALED PROPOSALS for improvement of the grounds at the State Normal and Training School, Cortland, N. Y., will be received by Dr. Frank B. Gilbert, Deputy Commissioner of Education, Education Building, Albany, N. Y., until 12 o'clock Noon on Monday, January 15, 1923, when they will be publicly opened and read. The work in general includes grubbing and clearing, excavation, filling, vitrified pipe sewers, agricultural tile underdrains, catch basins, flag poles, granite steps, asphaltic concrete roads, dirt road, concrete curbing, concrete walks, gravel walks, tennis courts, basket ball field, playground, one-quarter mile running track, concrete bleachers, etc. Proposals shall be enclosed in an envelope clearly marked "Proposal for Grading," sealed and addressed, and shall be accompanied by a certified check in the sum of five per cent (5%) of the amount of the proposal. The contractor to whom the award is made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of the contract within thirty (30) days after official notice of award of contract and in accordance with the terms of the Specifications. The right is reserved to reject any or all bids. Drawings, specifications and blank forms of proposal may be obtained at the Education Department, Albany, N. Y., upon reasonable notice to and in the discretion of the Deputy Commissioner of Education, Frank B. Gilbert, Education Building, Albany, N. Y.

Dated, December 26, 1922.

Bids: Feb. 1.

Heating, Sanitary and Electrical Work

Theills, N. Y.

Sealed proposals for Construction, Heating, Sanitary and Electric Work—Attendants' Home—Assembly Hall and Industrial Building (Girls' Group) at Letchworth Village, Thiells, N. Y., will be received by Mr. Mortimer B. Patterson, President of the Board of Managers of Letchworth Village at No. 7 Wall Street, New York City, until 12 o'clock Noon on Thursday, February 1, 1923, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a certified check in the sum of five per cent (5%) of the amount of proposal. The contractors to whom the awards are made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within thirty (30) days after official notice of award of contract and in accordance with the terms of Specifications Nos. 3928, 3929, 3930, 3931, 3932, 3933 and Addenda dated December 12, 1922, 4040 and 4041. The right is reserved to reject any or all bids. Drawings and specifications may be examined at No. 7 Wall St., New York City; at Letchworth Village, Thiells, N. Y.; at the New York Office of the Department of Architecture, Room 1058, 25 Broadway, and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, L. F. Pilcher, Capitol, Albany, N. Y.

Dated: December 29, 1922.

Bids: Jan. 29.

Sewer Work

Spring Lake, N. J.

The Mayor and Council of the Borough of Spring Lake, N. J., will receive sealed proposals until 8.00 p.m., Monday, January 29, 1923, for the construction of about 1,500 lineal feet of six inch and eight inch sewer and one man hole.

Plans and specifications can be examined at the office of the Borough Engineer, First National Bank Building, Spring Lake, N. J. Copies can be procured by depositing Ten ($10.00) dollars with the Engineer.

Certified check in 10% of amount of bid is required with proposal.

Right is reserved to reject any or all bids.

By order of the Mayor and Council.

JOHN M. BRALY,
Borough Engineer.

Spring Lake, N. J.

OFFICIAL PROPOSALS

Bids: Jan. 22.

Sewer Work

Mamaroneck, N. Y.

Notice is hereby given that sealed bids will be received by the Board of Sewer Commissioners of Sewer District No. 1 of the Town of Mamaroneck, Westchester County, N. Y., until 8:30 o'clock p.m., Eastern Standard Time, on January 22, 1923, at the office of the Board of Sewer Commissioners at the Weaver Street School House on Weaver Street in said Town of Mamaroneck, Westchester County, N. Y., for furnishing materials and performing the labor required for (1) constructing Contract No. 4 of District One, Section A, (2) and constructing house connections from said sewer to the property line along said sewer where required, of the Sewer System in Sewer District No. 1 of the Town of Mamaroneck, Westchester County, N. Y., all in accordance with plans and specifications on file in the office of the Board of Sewer Commissioners, at the Weaver Street School House on Weaver Street, in said Town of Mamaroneck, Westchester County, N. Y., and also in the office of the Engineer to the Sewer Commission, L. E. Van Etten, No. 12 Lawton Street, New Rochelle, N. Y.

H. R. MITCHELL,
Secretary.

Bids: Feb. 7.

Bridges

Appleton, Wisc.

Sealed bids will be received by the undersigned, city clerk of the city of Appleton, Wisconsin, up to 4:00 o'clock P.M., February 7th, 1923, for furnishing all labor and material and constructing according to plans and specifications, bridges across the Fox River at Lawe street and Cherry street.

The Lawe-st bridge over the Fox River will be of reinforced concrete, resting on steel cylinder piers sunk to bed rock and on the footings for columns on shore. It provides for a twenty-foot roadway and six foot sidewalk. The Cherry street bridge over the Fox river, will be of steel girder type, resting on concrete piers, sunk to bed rock and the footings for abutments on shore. It provides for a thirty-two foot roadway and a seven foot sidewalk. Plans and specifications are on file and may be examined in the office of E. L. Williams, city clerk, and O. F. Weissgerber, city engineer and in the office of Harrington, Howard & Ash, consulting engineers, Kansas City, Mo.

Copies of the plans and specifications may be secured from the consulting engineers by depositing $25.00, these plans are to be returned upon request, at which time a refund of $15.00 will be made. A bond in the full amount of the contract will be required.

A certified check in the sum of not less than 5% of the total bid, made payable to the city clerk, must accompany each bid.

Council reserves the right to reject any or all bids.

Dated January 4th, 1923.

BY ORDER OF THE COMMON COUNCIL E. L. Williams, City Clerk.

Bids: Jan. 25.

Sluice Gates

Buffalo, N. Y.

Sealed proposals will be received by the Commissioner of Public Works at the Municipal Bldg., Buffalo, N. Y., for 56 rectangular sluice gates varying in size from 16-in. square to 48-in equare, and appurtenances to be furnished f.o.b. cars, Buffalo, N. Y.

Forms of proposal, drawings and specifications may be obtained on application to the above address.

ARTHUR W. KREINHEDER,
Commissioner of Public Works,
Buffalo, N. Y.

Bids: Jan. 30.

Gate-Valves and Hydrants

CONTRACT 213

New York, N. Y.

Sealed bids will be received by the Board of Water Supply at its offices, twenty-second floor, Municipal Building, Park Row, Centre and Chambers Streets, New York City, until 11 a.m., Eastern Standard Time, on Tuesday, January 30, 1923, for Contract 213, for furnishing and delivering gate-valves and hydrants for the Mt. Prospect, Park Slope, Fort Hamilton and Clove conduits and Narrows Siphon No. 2 of the Catskill Aqueduct, all as set forth in the specifications. All deliveries shall be made, with all transportation charges prepaid, at designated storage yards within the limits of the City of New York.

At the above place and time the bids will be publicly opened and read. Pamphlets containing information for bidders, forms of bid and contract, specifications, contract drawings, etc., can be obtained at the office of the secretary at the above address, by depositing the sum of ten dollars ($10) in cash or its equivalent for each pamphlet. For further particulars apply to the office of the Chief Engineer at the above address.

GEORGE J. GILLESPIE,
President.
JAMES F. SINNOTT,
PHILIP F. DONOHUE,
Commissioners, Board of Water Supply.
BENJ. F. EINBIGLER, Secretary.

Bids: Jan. 23.

Intercepting Sewer

Toledo, Ohio.

Sealed proposals will be received by the Director of Public Service, Toledo, Ohio, until twelve o'clock noon, eastern standard time, on the 23rd day of January, 1923, and then publicly opened and read for the construction of Contract No. 5 of the Intercepting Sewer System, consisting of

18,955 feet of 87 in. Circular Sewer
2,255 feet of 84 in. Circular Sewer
2,640 feet of 78 in. Circular Sewer

all of which will be built in tunnel, together with manholes and appurtenances.

Bidders are invited to submit prices on monolithic concrete, vitrified segment block and brick.

Plans, specifications, contract and bond forms can be secured at the office of the Director of Public Service upon deposit of twenty dollars ($20.00) for each set, which will be refunded provided they are returned in good order on or before February 20, 1923.

Information regarding the work can be obtained through the following offices of our consulting engineers, Fuller & McClintock: 170 Broadway, New York, 319 Summit-Cherry Building, Toledo, 421 Produce Exchange Building, Kansas City Mo., 879 N. Parkway, Memphis, Tenn., and 1001 Chestnut Street, Philadelphia, Pa.

Each proposal must be accompanied by a bond executed by the bidder and a surety company satisfactory to the Director of Public Service in the sum of Ten Per Cent (10%) of the amount of the bid, or in lieu of a bond the bidder may deposit with the Director of Public Service, a certified check on a solvent bank, payable to the order of the Director of Public Service, in amount equal to such bond, said bond or certified check being required as a guarantee that if the bid be accepted, a contract will be entered into and its performance properly secured.

The contract bond will be Fifty Per Cent (50%) of the amount of the contract. Labor and material bids must be separately stated with the price therefor.

The Director of Public Service reserves the right to reject any or all bids or to accept any bid which he may deem advantageous to the City of Toledo.

W. T. JACKSON,
Director of Public Service.
GORGE E. LASKA,
Secretary.

Bids: Feb. 5.

Electric Power Plant Construction

Shelbyville, Ill.

Sealed proposals will be received by the City Council of Shelbyville, Illinois, until one o'clock p.m., February 5th, 1923, for the installation of a complete electric light and power plant. The specifications provide fourteen separate sections, and bids will be received for the plant complete or for any one or more of the divisions.

Bids will be opened by the City Council on the above date. Plans and specifications and form for bids may be obtained from W. A. Fuller Company, Railway Exchange Building, St. Louis, Missouri, Consulting Engineers, on payment of Three ($3.00) Dollars for plans and Five ($5.00) Dollars for copy of specifications.

Dated January 2nd, 1923.

WM. C. RAETZ, City Clerk.

PUT YOURSELF "ON THE CARPET"

¶If you ever caught an employee buying inferior machinery, material or service chances are you'd put him on the carpet and give him a lecture on just how expensive such mistakes are. ¶Are you one of the many Contractors who are paying standard rates for Contract Bonds and putting up with an inferior service when the same standard rate will buy SWART SERVICE? ¶—and remember this—when there is a better service SWART will be rendering it. ¶So just put yourself on the carpet and say to yourself, "maybe SWART is right. At least it will do no harm to find out. I'll make an appointment with him right now while I am thinking about it."

SWART SERVICE REALLY SERVES

HARMON V. SWART

Contract Bonds—Compensation Insurance
92 William Street
New York

Why You Should Advertise for Bids NATIONALLY

Nation-wide publicity reaches the greatest number of responsible bidders best fitted to do work in the most up-to-the-minute manner at lowest cost.

It makes local bidders figure closer and adopt the most efficient methods of doing work.

It is evidence of good business administration—an honest effort to furnish efficient service.

Buyers of bonds are naturally influenced by the efforts made to let contracts to reliable bidders at favorable prices.

Why You Should Advertise in ENGINEERING NEWS-RECORD—

Engineering News-Record is a consolidation of the three leading publications in the engineering and construction field—Engineering News, Engineering Record and The Contractor. It has a circulation of over 30,000 copies weekly—several times that of any other paper in the field—and includes among its readers almost every worthwhile contractor, engineer, manufacturer and dealer in the country interested in bidding on work outside his own vicinity.

Engineering News-Record is the one nationally recognized medium through which prospective bidders on work outside of their immediate localities keep regularly informed of the newest work on which bids are desired. Many rely entirely upon the announcements in this paper and, therefore, do not see those advertised elsewhere.

Over 3,000 Official Proposals Appear Annually—

Perhaps the best indication of what other cities and towns think of the results obtainable through the official proposals columns of *Engineering News-Record* is the fact that more than 3,000 of their announcements appear each year. Many of their letters telling of the savings realized as a result of their advertising in this great medium are further proof of the worthwhileness of national publicity through *Engineering News-Record.*

For Official Proposals

The Dominant Paper

0183

OFFICIAL PROPOSALS

Bids: Feb. 9 and Feb. 23.

Two Junior High School Buildings

Jamestown, N. Y.

Notice is hereby given that sealed proposals for furnishing labor and materials to construct two Junior High School Buildings, in the city of Jamestown, N. Y., will be received by the Board of Education, as follows:

1. For a Junior High School Building, located on Front Street, bids will be received up to 2 o'clock P.M., February 9th, 1923, at the offices of the Board of Education in the High School Building on East Second Street, Jamestown, N. Y., at which time they will be opened and publicly read.

2. For a Junior High School Building located on Buffalo Street, bids will be received up to 2 o'clock P. M. February 23rd, 1923, at the offices of the Board of Education in the High School Building on East Second Street, Jamestown, N. Y., at which time they will be opened and publicly read.

Bids will be received for the work on each school under four separate contracts, as follows:

(a) For the General Construction, which includes all Masonry, Carpentry, Sheet and Iron, Roofing, Painting and all work kindred thereto.

(b) For Plumbing and Gas Fitting, and all work kindred thereto.

(c) For heating and ventilating, and all work kindred thereto.

(d) For Electrical Work and all work kindred thereto.

The Board of Education reserves the right to accept or reject any or all proposals and at its discretion to waive informalities.

All bids must be made in the form provided by the specifications and presented in sealed envelopes addressed to the Board of Education, endorsed, *"Proposal for Front Street Junior High School, Jamestown, N. Y.," or "Proposal for Buffalo Street Junior High School, Jamestown, N. Y.,"* and stating the branch of the work covered. All bids to hold good for at least twenty days after opening same.

No bid will be considered unless accompanied by certified check to the order of the Board of Education of Jamestown, N. Y., in an amount equal to 5% of the amount of the bid or a bid bond of like amount, binding the bidder to execute the contract if awarded to him. The terms of the proposal with surety required are fixed by the specifications.

Copies of the Plans and Specifications will be on file in the offices of the Board of Education in the present High School Building, on East Second Street, Jamestown, N. Y., and at the offices of the Architects for the purpose of examination or estimating.

A limited number of copies of the plans and specifications have been provided by Messrs. Guilbert & Betelle and Johnson & Ford, associated Architects, and will be loaned to prospective bidders on deposit of a certified check in the sum of $25.00 for each set of plans loaned. If the plans and specifications are returned, the check will be returned, otherwise the deposit may become forfeited. All applications for plans should be made to Johnson & Ford, Architects, Fenton Building, Jamestown, N. Y., and check drawn to their order.

The Board of Education, of Jamestown, N. Y.

E. SNELL HALL,
President.
MILDRED R. FALCONER,
Clerk.

January 4th, 1923.

U. S. GOVERNMENT

OFFICE OF CONSTRUCTING QUARTERMASTER, FORT BLISS, TEXAS.—Sealed proposals, in triplicate, will be received at this office until 10:00 a.m., February 1st, 1923, then publicly opened for drilling, casing and equipping complete, ready for operation, one eight inch well at Doña Ana Target Range, New Mexico. Plans and specifications furnished upon receipt of certified check for $10.00 to guarantee return.

OFFICIAL PROPOSALS

Bids: Jan. 16.

Sewer

Summit, N. J.

Sealed proposals will be received by the Common Council of the City of Summit, N. J., at 8 P. M. Tuesday, January 16, 1923, for the construction of a Concrete or Vitrified Pipe Storm Water Sewer with appurtenances in Essex and Whittredge Roads.

The approximate quantities are as follows:

2,950 cu.yd. earth excavation 0 ft. to 8 ft. deep.
805 cu.yd. earth excavation 8 ft. to 14 ft. deep.
60 cu.yd. earth excavation 14 ft. to 16 ft. deep.
835 lin. ft. of 27 in. Vit. Tile or Concrete pipe.
1,613 lin. ft. of 24 in. Vit. Tile or Concrete pipe.
280 lin. ft. of 15 in. Vit. Tile or Concrete pipe.
60 lin. ft. of 12 in. Vit. Tile or Concrete pipe.
11 manholes.
3 catch basins.

Each proposal must be accompanied by a certified check or cash for five per cent. of the total amount of bid. A Surety Bond for the full amount of the contract will be required of the successful bidder. The Common Council reserves the right to reject any or all bids, or to accept any bid.

Plans, specifications and proposal blanks may be obtained at the office of the City Engineer, in the City Hall, Summit.

FREDERICK C. KENTZ,
City Clerk.

JOHN C. BRIGHAM,
City Engineer.

Bids: Jan. 23.

Sidewalks

Charlotte, N. C.

Sealed proposals will be received by the Board of Commissioners of Charlotte, N. C., up to 11 o'clock a.m., of the 23rd day of January, 1923, for the grading and paving of the sidewalks on various streets consisting of approximately 45,000 sq.yds. of concrete walk.

A certified check equal to 5 per cent of the amount of the bids and drawn payable to the Treasurer of the City of Charlotte, will be required to accompany each proposal. Specificaltons can be obtained at the office of the City Engineer.

The right is reserved to reject any or all bids.

JOSEPH FIRTH,
City Engineer.
W. S. STANCILL,
Commissioner of Public Works.

U. S. GOVERNMENT

U. S. ENGINEER OFFICE, CINCINNATI, O. Sealed proposals will be received here until 2 p. m. Feb. 8, 1923, and then opened for furnishing and delivering horses and props for Ohio River Dams Nos. 34, 36, and 38. Further information on application.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., January 6, 1923.—SEALED PROPOSALS will be opened in this office at 3 p.m., January 30, 1923, for construction of an extension to delivery platform at U. S. Appraisers Warehouse, New York, N. Y. Drawing and specifications may be obtained from the Office of Supervising Chief Engineer, 731 Custom House, New York, N. Y., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

U. S. ENGINEER OFFICE, HUNTINGTON, W. VA., Dec. 23, 1922.—Sealed proposals will be received here until 11 a.m. (Eastern Time), January 23, 1923, and then opened, for furnishing and delivering lock-operating machinery, etc., for Dam No. 30, Ohio River. Further information on application.

U. S. GOVERNMENT

U. S. ENGINEER OFFICE, NASHVILLE, TENN. Sealed proposals will be received here until 11 A.M., January 16 1923, and then opened, for steel hull for dipper dredge Watauga. Further information on application.

U. S. ENGINEER OFFICE, WILMINGTON, DEL.—Sealed proposals will be received here until 12 o'clock noon, January 15, 1923, and then opened, for constructing and delivering two wooden dump scows. Further information on application.

U. S. ENGINEER OFFICE, FLORENCE, ALA.—Sealed proposals will be received here until 11 A.M. January 27, 1923, and then opened, for the construction and delivery of four steel barges. Further information on application.

U. S. ENGINEER OFFICE, PITTSBURGH, PA.—Sealed proposals for building two two-story, seven-room lockkeepers' houses at Lock No. 6, Monongahela River, will be received at this office until 12 Noon, January 31, 1923, and then publicly opened. Information on application.

U. S. ENGINEER OFFICE, NASHVILLE, TENN.—Sealed proposals will be received here until 11 a.m., January 30, 1923, and then opened, for fourteen steel barges. Further information on application.

PROPOSALS FOR LEVEE WORK.—Office of the Secretary, Mississippi River Commission, 1311 International Life Building, St. Louis, Mo.—Sealed proposals will be received here until 11 a.m., Jan. 24, 1923, for constructing about 900,000 cubic yards of earthwork by the hydraulic method in the Sny Island Levee Drainage District, Ill. Further information on application.

U. S. ENGINEER OFFICE, CINCINNATI, O. Sealed proposals will be received here until 2 p.m., Jan. 30, 1923, and then opened, for constructing, assembling, testing and delivering one dredging ladder for 24-inch pipe line dredge. Further information on application.

U. S. ENGINEER OFFICE, GALVESTON, TEX. Sealed proposals will be received here until 12 m., Feb. 1, 1923, and then opened, for dredging the Houston Ship Channel, Texas. Further information on application.

U. S. ENGINEER OFFICE, ROOM 608, ARMY BUILDING, NEW YORK CITY. Sealed proposals will be received here until 12 o'clock noon, January 26, 1923, and then opened, for furnishing and erecting complete, on concrete foundations already constructed, one 100-foot Range Finding Tower. Further information on application here and at Office of Chief of Engineers, Construction Section, Washington, D. C.

DEPARTMENT OF THE INTERIOR, UNITED STATES RECLAMATION SERVICE, Washington, D. C., January 3, 1923.—Sealed proposals will be received at the office of the United States Reclamation Service, Denver, Colo., until 2 o'clock p.m., February 13, 1923, for the inspection of engineering materials and machinery for the Reclamation Service for a period of one year. For further particulars address the United States Reclamation Service, Washington, D. C., or Denver, Colo. A. P. Davis, Director.

BIDS INVITED.—Sealed bids will be received by the Constructing Quartermaster, Fort Benning, Georgia, for construction of twenty-three sets of two family houses. Bids will be opened at Fort Benning, Georgia, at 12 o'clock noon, central time, January 30th, 1923. Twenty five dollars deposit required to insure return of plans.

U. S. ENGINEER OFFICE, GALVESTON, TEX., Sealed proposals will be received here until 11 a.m. Feb. 21 1923, and then opened, for dredging channels at Brazos Island Harbor, Texas. Further information on application.

CONTRACT BONDS FOR RESPONSIBLE CONTRACTORS

Tell the Aetna engineers about your special facilities for completing the contract.

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HARTFORD, CONN. AGENTS EVERYWHERE

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E. N. R.

POSITIONS VACANT

A DRAFTSMAN wanted by a manufacturer of special track work in the East; must be thoroughly familiar with designing and detailing both steam and street constructions. P-464, Eng. News-Record, Real Estate Trust Bldg., Philadelphia, Pa.

ASSISTANT sanitary engineer wanted by Alabama State Board of Health, Montgomery, Alabama, experienced in water work and sewage design and operation; salary $200; application should contain full record, photograph and sample of lettering.

BUILDING superintendent, with wide experience in construction of reinforced concrete buildings; must be good executive and capable of speedy construction; state experience in detail and salary desired. P-484, Eng. News-Record, Real Estate Trust Bldg., Philadelphia, Pa.

BY LARGE reinforcing bar company, first class detailers wanted on reinforced concrete buildings; good opportunity for men of experience; give references, age, experience and salary desired. P-479, Eng. News-Record, 10th Ave. at 36th St., New York.

DETAILER for structural steel and ornamental iron; state age, experience and salary; permanent position for right man; location, Connecticut. P-478, Eng. News-Record, 10th Ave. at 36th St., New York City.

DRAFTSMAN, experienced, wanted for structural steel buildings; apply by mail only, giving age, nationality, education, experience and salary expected. Post & McCord, 101 Park Ave., New York.

DRAFTSMAN for detailing structural steel for buildings. State age, nationality, education, experience, salary expected and date available. The James H. Tower Iron Works, Providence, R. I.

DRAFTSMEN, experienced (only) detailers and checkers on tank work; state salary, experience and when available first letter. Address P. O. Box 386, Iola, Kansas.

DRAFTSMAN for gravity concrete filter design wanted; must be thoroughly familiar with reinforced concrete and filter piping construction; state qualifications and salary expected. H. F. Huy, Western New York Water Co., 704 Electric Bldg., Buffalo, N. Y.

DRAFTSMEN on structural steel work wanted for buildings. Apply Hay Foundry & Iron Works, Newark, N. J.

EXPERIENCED engineer wanted to handle 2,000 H.P. power plant and mechanical equipment of manufacturing company; must have technical education. P-427. Eng. News-Record, Old Colony Bldg., Chicago, Ill.

FABRICATING firm in South wants two or three good detailers and checkers to help build up permanent organization; no rush in reporting for duty; competent men wanted, thoroughly experienced on office and mill buildings, theatres, schools and stores; give references and state age, nationality, married or single, and salary wanted in first letter. P-483, Eng. News-Record, Old Colony Bldg., Chicago, Ill.

POSITIONS VACANT

EXPERIENCED structural detailers and checkers; state age, experience, nationality, education and salary expected, in first letter. Indiana Bridge Company, Muncie, Indiana.

SEVERAL bridge designers and draftsmen wanted for State Highway Department in the Middle West. Should have at least two years' concrete and steel designing and preferably several years of general engineering experience. Give complete statement of experience and earliest date available. Submit sample of work if possible. Initial salary about $175.00 per month. P-449, Eng. News-Record, Old Colony Bldg., Chicago, Ill.

SEVERAL draftsmen wanted immediately on structural steel, concrete conveyors, special track work and ornamental iron, also recent engineering graduates and some shop foremen. Cleveland Engineering Agency, Rose Building, Cleveland, Ohio.

STRUCTURAL steel draftsman wanted with three to five years' experience on steel building and bridge work; apply giving experience record, salary required, and date available to S. R. Webb, engineer, Carolina Steel & Iron Co., Greensboro, N. C.

STRUCTURAL designers wanted, experienced in reinforced concrete and steel; salaries $150 to $250. Elwyn E. Seelye, 101 Park Ave., New York City.

SURVEYOR, Spanish speaking engineer, for surface survey of mining property in the tropics, Colombia, South America; tropical experience necessary. Give complete experience record and salary desired. P-498, Eng. News-Record, 10th Ave. at 36th St., New York City.

STRUCTURAL STEEL DRAFTSMEN

Detailers and Checkers experienced on office and theatre buildings. Permanent position to men who can make good. Apply Employment Dept.

SUBMARINE BOAT CORPORATION
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WILSON COURSES are meeting the needs of men in the profession who lack *first class* training in

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More practical than college work; ideal evening work; terms to suit. Students all over the world.

Required for enrollment: technical education, High School mathematics or their equivalent.

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10 Broadway, Hanover, Mass.

POSITIONS VACANT

SUPERINTENDENT for concrete road paving, must be first-class man with large amount of practical experience and have sufficient engineering and executive ability to manage work complete; state age, experience and wages desired in first letter. Paul C. Kroeck, Contractor, 1000 Humboldt Blvd., Milwaukee, Wis.

CIVIL SERVICE EXAMINATION

WISCONSIN civil service examination (unwritten) for assistant building engineer, open to all citizens of the United States, will be held January 27, 1923. For information and application write at once to Wisconsin Civil Service Commission, Madison, Wis.

EMPLOYMENT AGENCIES

GENERAL ENGINEERING AGENCY, Fulton Bldg., Pittsburgh, requires for Eastern, Southern, Western employers designing engineers, architectural, structural, mechanical, electrical; detailing draftsmen; plant engineers; erecting engineers, foremen; shopmen; professors; instructors; salesmen; instrumentmen; topographers; cadets.

EMPLOYMENT SERVICE

SALARIED POSITIONS, $2,500 to $25,000 upward; executive, technical, administrative, engineering, manufacturing, professional, managing, financial, etc., all lines. If you are qualified and receptive to tentative offers for a new connection, you are invited to communicate in strict confidence with the undersigned, who will conduct preliminary negotiations for such positions. A method is provided through which you may receive overtures in confidence without jeopardizing present connections and in a manner conforming strictly to professional ethics. Send name and address only. Preliminary particulars will be sent without obligating or compromising you in any way. R. W. Bixby, Inc., 404 Lockwood Bldg., Buffalo, N. Y.

EXECUTIVES

Qualified men—Technical, Commercial and Manufacturing—seeking new positions find our effective and confidential service extremely satisfactory. Our Mr. H. H. Harrison can negotiate a suitable connection for you as he has done for thousands of others since 1909. Inquiries invited; confidences respected.

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Estimating

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The Pan-American Engineering School
39 West 17th St., New York City

POSITIONS WANTED

Civil Engineers

CANADIAN civil engineer, B.Sc., seeks appointment in China, South America, but would consider offers from States; eighteen years' experience in large sewerage schemes, waterworks, highways, town planning, reinforced-concrete construction, general building work, contracting and business experience, engineering investigations for company promotion; used to handling workmen; commanded engineer company in France; three years as professor of civil engineering in Canadian Technical College. PW-492, Eng. News-Record, 10th Ave. at 36th St., New York City.

CIVIL engineer, ten years' experience in economical location, design, and construction of Federal Aid Highways. Thoroughly capable of handling either office or field work, or supervising both. Difficult location, design or construction preferred. At present completing 50 mile Federal Aid Project through difficult country. Available about Jan. 15. PW-406, Eng. News-Record, Old Colony Bldg., Chicago, Ill.

CIVIL engineer, graduate, age 30, married, 10 years' experience municipal executive design and construction, 6 years specialist in city planning zoning. Prefer consulting firm or city doing city planning work. PW-416, Eng. News-Record, Leader-News Bldg., Cleveland, Ohio.

CIVIL engineer, age 29, technical education, seven years' experience, school buildings, industrial plants, available Jan. 1st, desires position as civil engineer, resident engineer or superintendent. PW-407, Eng. News-Record, Real Estate Trust Bldg., Phila., Pa.

CIVIL engineer and superintendent, with 16 years' broad experience in railroad and highway location and construction and general engineering practice in charge of surveys, reports, plans, estimates and construction, wishes position, preferably with contracting firm. PW-467, Eng. News-Record, Old Colony Bldg., Chicago, Ill.

CIVIL engineer, 39, M.Am.Soc. C.E., 17 years' experience in water supply, sewerage, paving, hydraulics, reinforced concrete design and construction, wishes position with consulting engineer; now completing $300,000 bridge construction upon own plans; location in South preferred. PW-476, Eng. News-Record, Real Estate Trust Bldg., Philadelphia, Pa.

CIVIL engineer, technical education, 30, single, 8 years' experience on concrete, steel-frame, school construction, docks and warehouses, desires position as resident engineer or superintendent. PW-473, Eng. News-Record, 10th Ave. at 36th St., New York City.

Municipal Engineer—Contractor

Seven years' experience as construction engineer in street and sewer department of a large city.

Eight years' experience as superintendent and as contractor estimating and constructing sewer and water systems.

Desires executive position with large contractor or as City Manager for a municipality. Inquiry invited. Address Box

P.W.-457, Engineering News-Record,
1570 Old Colony Bldg., Chicago, Ill.

GENERAL MANAGER

Large steel fabricating and warehousing plant. Has handled all details of the business. Engineering, sales, shops, erecting, finances, etc. Released thru outside purchase. Available immediately.

PW-382, Engineering News-Record
10th Ave. and 36th St., N. Y. C.

POSITIONS WANTED

CIVIL engineer, graduate; fifteen years' experience design, construction of heavy concrete work, power plants, sewage disposal works, highways, pavements. PW-500, Eng. News-Record, 10th Ave. at 36th St., New York City.

CIVIL engineer, graduate; fourteen years design and construction; railroads, sewerage systems; steam, electric and industrial plants; subways, tunnels, shafts; docks; waterfront and hydro-electric development; valuation. PW-312, Eng. News-Record, 10th Ave. at 36th St., New York City.

ENGINEER, technical education, twelve years' experience all types railway location and construction, in responsible charge office and field, design and execution, for railroads, or as contractor's engineer, including terminals and grade-crossing elimination, desires position with railroad or development enterprise; location immaterial; ten years' additional experience railroad valuation; industrial plants, waterworks, highway construction, river and harbor improvement, municipal works. PW-487, Eng. News-Record, Real Estate Trust Bldg., Philadelphia, Pa.

CONSTRUCTION engineer, graduate C. E., three years as architect's resident engineer, 4 years as contractor's superintendent on industrial construction, age 28; permanent connection desired. PW-474, Eng. News-Record, Real Estate Trust Bldg., Philadelphia, Pa.

RESIDENT engineer on sewer and municipal construction; design experience; technical education; ten years' experience. PW-497, Eng. News-Record, 10th Ave. at 36th St., New York City.

Surveying

STUDENT, I. C. S. surveying and mapping course, desires position as rodman or computer; ten months' experience; available immediately; location immaterial. PW-482, Eng. News-Record, Leader-News Bldg., Cleveland, Ohio.

TRANSITMAN, levelman, concrete highway inspector, married, age 28, four years' experience, wishes position with construction company or highway department; location immaterial; available immediately; state salary and conditions. Box 86, Mansfield, Pa.

TRANSITMAN — Young man, twenty-one years of age, three and one-half year in general engineering surveying, mapping and office work, desires position with firm of civil engineers, or contractors; location immaterial; references furnished. L. B. Turner, c/o Y. M. C. A., Manchester, N. H.

YOUNG man desires position as rodman on railroad survey party. Completed course in surveying. Now studying course in engineering. Age 21. Salary $100.00 per month and traveling expenses when absent from terminal. Two years' experience. PW-440, Eng. News-Record, Leader-News Bldg., Cleveland, O.

YOUNG man, 20, four years' practical engineering experience, wishes position as transitman or plane table topographer; location immaterial; available immediately; state full conditions and salary. PW-468, Eng. News-Record, 10th Ave. at 36th St., New York City.

Estimator

BUILDER'S or contractor's assistant wish to connect with growing firm to take charge of every detail, from soliciting, estimating, designing to signing of contracts; can also take complete charge of correspondence and bookkeeping; graduate civil engineer (30), eight years' broad practical business experience; excellent references. L.B., 607 Rugby Rd., Brooklyn, N. Y.

POSITIONS WANTED

Bridge and Structural

STRUCTURAL designer, ten years on first class hotels, theatres, office buildings, structural steel and reinforced concrete. PW-490, Eng. News-Record, 10th Ave. at 36th St., New York City.

Draftsmen and Designers

DRAFTSMAN, three years' varied experience, desires position tracing and detailing steel and reinforced concrete structures. PW-466, Eng. News-Record, Real Estate Trust Bldg., Philadelphia, Pa.

DRAFTSMAN, having twenty years' experience on building construction, estimating, superintendence, conveying, installation, wishes position; salary $1,800. PW-501, Eng. News-Record, Real Estate Trust Bldg., Philadelphia, Pa.

ENGINEER draftsman desires immediate connection, 11 years' experience. PW-495, Eng. News-Record, Real Estate Trust Bldg., Phila., Pa.

GRADUATE engineer, 12 years factory design, construction and maintenance. PW-493, Eng. News-Record, 10th Ave. at 36th St., New York City.

LADY, experienced in drafting room, desires position; location anywhere; salary moderate. Address PW-459, Eng. News-Record, Old Colony Bldg., Chicago, Ill.

Superintendents

BUILDING superintendent, 18 years' experience on high class work, open for position about March 1, 1923. Can furnish entire organization if desired. PW-450, Eng. News-Record, Leader-News Bldg., Cleveland, Ohio.

BUILDING superintendent, willing to travel, desires responsible position with a large building construction company. Box 102, Elkins Park, Pa.

CONSTRUCTION superintendent desires placement, nine years' field and office experience in concrete and steel construction. PW-495, Eng. News-Record, Real Estate Trust Bldg., Philadelphia, Pa.

CONSTRUCTION superintendent, college graduate, twenty years' experience, twelve years manager of erection on steel bridges and industrial buildings, familiar with foundations, falsework, concrete and plant layouts; free after January 15. PW-480, Eng. News-Record, Real Estate Trust Bldg., Philadelphia, Pa.

GENERAL superintendent, 38, accustomed to handling large construction and extensive organizations, soon available; dams, power and industrial plants, bridges; tunnels, docks, etc.; graduate engineer; can design as well as construct; New York interview. PW-485, Eng. News-Record, 10th Ave. at 36th St., New York City.

SUPERINTENDENT of asphalt pavements wishes position with reliable company, anywhere; positively an A-1 organizer with a long experience. PW-471, Eng. News-Record, 10th Ave. at 36th St., New York City.

SUPERINTENDENT construction, twenty years' experience, go any place, handle any size job on hydro-electric plants, dams, heavy foundations, pulp paper mills, railroads, transmission lines, reinforced concrete, waterworks sewers, understands camps; references. PW-448, Eng. News-Record, 10th Ave. at 36th St., New York City.

SUPERINTENDENT of asphalt paving and construction, with 16 years' experience on various types of roads and streets, seeks a new connection; location immaterial. PW-463, Eng. News-Record, Leader-News Bldg., Cleveland, Ohio.

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Boarding Camps, and Commissaries, operated for Railroads, Manufacturers, Contractors, Coal Mines, etc. We furnish laborers, mechanics and all classes of skilled help. Employment offices at Cleveland, O., Cincinnati, O., Toledo, O., Columbus, O., St. Louis, Mo., Indianapolis, Ind., Chicago, Ill., Danville, Ill., and Buffalo, N. Y.

POSITIONS WANTED

Miscellaneous

ACCOUNTANT—General and cost man desires permanent position with contracting or construction company; best references. PW-430, Eng. News-Record, Real Estate Trust Bldg., Phila., Pa.

A YOUNG man, 33, desires position with construction or industrial company; eleven years' experience as paymaster, field auditor and cost accountant on construction work (tunnels, subways, piers buildings, etc.); high-class references. PW-475, Eng. News-Record, 10th Ave. at 36th St., New York City.

CALIFORNIA construction companies, office man, twenty-six and single, available March 1; nine years' experience on marine, business and industrial projects in Eastern states and tropics. PW-434, Eng. News-Record, 10th Ave. at 36th St., New York City.

ENGINEERING business executive, 15 years' experience, office management, construction, sales, structural and mechanical design industrial building and power plants, industrial management, reclamation, petroleum engineering; age 36; location immaterial. PW-477, Eng. News-Record, 10th Ave. at 36th St., New York City.

ENGINEERING student, nineteen, desires connection with engineer, architect or engineering firm; studying engineering evenings; salary secondary; New York City only. PW-502, Eng. News-Record, 10th Ave. at 36th St., New York City.

EXECUTIVE now connected with one of New York's most prominent builders and in responsible charge of high class construction, seeks a position of greater opportunity. PW-452, Eng. News-Record, 10th Ave. at 36th St., New York City.

EXECUTIVE, 35, sixteen years' engineering and business experience, including sales, varied investigations, production work, material control, stores and cost accounting, seeks connection requiring competent analyst and executive. PW-470, Eng. News-Record, 10th Ave. at 36th St., New York City.

EXPEDITOR, five years' experience in purchasing, factory inspection and follow ups, expert in traffic tracing; will entertain temporary assignment; go anywhere. PW-472, Eng. News-Record, 10th Ave. at 36th St., New York City.

FINANCIAL man, accountant office manager, technical graduate, thoroughly familiar with plans, specification and office routine, five years' experience, wishes to secure responsible position with progressive company. PW-469, Eng. News-Record, 10th Ave. at 36th St., New York City.

HYDRAULIC engineer, at present responsible charge design and construction, hydro-electric and waterworks projects, thirteen years in charge projects of magnitude, Member Am. Soc. C. E., graduate C. E., age forty, desires change. PW-420, Eng. News-Record, Real Estate Trust Bldg., Phila., Pa.

MAN having thirteen years' experience on various types of construction in the capacities of engineer, foreman and superintendent; layout work from plans, supervise handling of labor and plant, economically and efficiently; available immediately. PW-481, Eng. News-Record, 10th Ave. at 36th St., New York City.

MUNICIPAL engineer and waterworks superintendent desires employment in a city of 25,000 or over; salary $5,000. PW-236, Eng. News-Record, Real Estate Trust Bldg., Philadelphia, Pa.

PRACTICAL man, 38, having broad experience on waterworks construction, capable of handling large force of skilled labor; would also consider position as master mechanic with growing concern. PW-494, Eng. News-Record, 10th Ave. at 36th St., New York City.

ENGINEERS—CONTRACTORS

A great reservoir of brains and experience is available, practically without cost.

Several years ago, hap-hazardly reading the various technical periodicals and reports, the writer became amazed at the vast amount of detailed information as to design, methods, costs, etc., included in obscure paragraphs or drawings of general articles whose titles could in no way indicate the presence of such information. He began to card-index such semi-hidden information, and it is remarkable how much, in the course of a year, is printed regarding some one minor detail—matter usually lost completely for any future use the minute the article has been laid aside.

For instance:—an article covering a certain river improvement may contain the detail plans of the pontoons used in dredging—an article on a railroad terminal may show the exact design of a timber trestle supporting the running rail of an overhead crane—an article on a stadium may show dimension drawings of bins and hoppers or concrete materials—an article on a dam may give detail methods of grouting the foundation.

Whatever the problem usually it will be found that, over a period of years, several other parties have encountered the same thing and recorded their methods of handling—often in that obscure paragraph—practically unavailable to others in after years.

In considering your own problem will it not be of advantage, will it not be time saved, will it not be money in pocket, to know and compare what others have done in similar cases?

It is now proposed to carry forward this indexing and cross-indexing and by monthly publication make instantly available many references on any one subject. Your support and subscription is solicited for this service. A refund for unexpired time will be made to any one at any time dissatisfied with the value.

Please send your check for $1.00 for twelve months

The Index of Details (of Design and Construction)

P. O. Box 1033

Detroit, Michigan

POSITIONS WANTED

SANITARY engineer, 25 years of age, Massachusetts Institute of Technology graduate, B. S. degree, desires position, preferably with consulting, engineering or construction firm, in sanitary or civil engineering work; wants to learn work from A to Z; like hard work and plenty of it; location immaterial; first salary, secondary consideration; if temporary position would start work at $175 per month. PW-491, Eng. News-Record, Old Colony Bldg., Chicago, Ill.

STRUCTURAL engineer, designer, estimator, salesman steel ornamental iron, wants position as contract engineer. PW-465, Eng. News-Record, 10th Ave. at 36th St., New York City.

TRAINED executive, now employed, seeks position of greater responsibility and of harder work. Foreign service acceptable. Spanish speaking country preferred. Experience: Graduate civil engineer, seven years pioneer engineering in tropics, six years contractor's superintendent of construction on public improvements. Qualifications: Skilled in all clerical and manual labor of contracting and engineering; especially recommended for attention to details and skilful organization. PW-424, Eng. News-Record, Leader-News Bldg., Cleveland, Ohio.

TESTING engineer, graduate, age 32, married, several years' experience with large commercial testing laboratory; desires position with opportunity for advancement; can take complete charge of physical and chemical laboratories. PW-489, Eng. News-Record, Real Estate Trust Bldg., Philadelphia, Pa.

TIMEKEEPER, engineer, cost accountant; civil engineering graduate; ten years' field and office general building construction experience. PW-445, Eng. News-Record, Leader-News Bldg., Cleveland, Ohio.

VALUATION engineer, eight years' experience, government and railroads, embracing all phases from inventory to final assembly and subsequent reports and records required under Valuation Order No. 3, versed in legal aspects and filing protests against Tentative Valuations and Land Reports, is prepared to represent carriers desiring to protect their interests. PW-488, Eng. News-Record, Real Estate Trust Bldg., Philadelphia, Pa.

YOUNG woman, liberal arts college graduate, seeks work in civil engineering office; two years' experience in drawing, lettering, stenography and typing. PW-461, Eng. News-Record, Old Colony Bldg., Chicago, Ill.

REPRESENTATION WANTED

Representatives Wanted

We want live repesentatives in all large cities for the sale of steel reinforcement and accessories for reinforced concrete, etc. We are an old established concern.

REPRESENTATION WANTED

Liberal commissions paid to live sales engineers who are willing to enter into yearly contracts. Sales engineers with established business preferred. RW-431, Eng. News-Record, Real Estate Trust Bldg., Philadelphia, Pa.

SALESMEN WANTED

Two High Grade Equipment Salesmen

Wanted by large firm offering good salary, bonus and permanent position. SW-446, Eng. News-Record, 10th Ave. at 36th St., New York City.

SALESMEN AVAILABLE

SALESMAN, 6 years' experience in fireproof building materials and reinforced concrete, at present employed, desires to make a change; technical school graduate, 28 years old, married; best of references; state salary. SA-486, Eng. News-Record, Leader-News Bldg., Cleveland, Ohio.

REPRESENTATIVES AVAILABLE

Sales Representative

Civil and architectural engineer, with office at 219 North American Building, Philadelphia, wants to represent the product or products in this vicinity of some established manufacturer. D. C. Finston.

SALES representative, civil, mechanical engineer with extensive technical and selling experience, wants to represent manufacturers in Illinois. Box 428, Galesburg, Ill.

BUSINESS OPPORTUNITIES

Services and Capital Desired

A MODERN steel fabricating shop having excellent facilities for the manufacture of some growing specialties, as well as the smaller and medium size of general fabricating, is looking for a capable executive. One with engineering knowledge and able to become financially interested in the company to the extent of about $25,000.00 preferred. Business has splendid possibilities. Repeat orders and high testimonials from customers of national repute testify to the excellence and merit of its product. References exchanged and thorough investigation from responsible parties solicited. Address BO-447, Eng. News-Record, 10th Ave. at 36th St., New York City.

Partner Wanted

ENGINEER familiar with reinforced concrete and structural designing to become partner in well established sales agency; about $5,000 required. Box 287, Charleston, W. Va.

Additional Undisplayed Ads
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